

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (Previously presented): A method for identifying a location using a first digital map that is different from a second digital map, comprising the steps of:

creating event location information based on the first digital map by a transmitting system, the event location information including: a list of points on a road segment of the first digital map, ~~the points representing a road shape of the road segment~~; and attribute information on said points;

transmitting the event location information from the transmitting system;

receiving said event location information by a receiving system having the second digital map, the second digital map including data representing the road segment, said data being different from the list of points; and

performing matching of said points with said data to identify said road segment on the second digital map using coordinates information of the points and the attribute information included in the event location information.

Claims 2-5 (Cancelled)

Claim 6 (Previously presented): The method according to claim 1, wherein said attribute information includes at least one information item chosen from a group consisting of road type code, road number, toll highway code, number of traffic lanes, regulation information, road width, number of connecting links to a crossing node, and connection angle of each connecting link to a crossing node.

Claims 7-11 (Cancelled)

Claim 12 (Previously presented): A transmission apparatus comprising:
a digital map;

an information generator that generates, based on the digital map, event location information including: a list of points on a road segment of the digital map, ~~the points representing a road shape of the road segment~~ and attribute information on said points; and

a transmitter that transmits the event location information to a receiving apparatus having another digital map including data representing the road segment, said data being different from the list of points.

Claim 13 (Previously presented): A receiving apparatus comprising:
a receiver that receives event location information including: a list of points on a road segment of [[the]]~~a~~ digital map, ~~the points representing a road shape of the road segment~~ and attribute information on said road segment from a transmission apparatus having [[a]]~~the~~ digital map;

another digital map including data representing the road segment, said data being different from the list of points; and

an identifying unit that performs matching of said points with said data to identify said road segment on the another digital map using coordinates information of the points and the attribute information included in the event location information.

Claims 14 and 15 (Cancelled)

Claim 16 (New): A system for identifying a location using a first digital map that is different from a second digital map, the system comprising:

a transmission device that includes:
the first digital map;

an information generator that generates, based on the first digital map, event location information including: a list of points on a road segment of the digital map, and attribute information on said points; and

a transmitter that transmits the event location information; and a receiving device that includes:

- a receiver that receives the event location information from the transmitter;

the second digital map including data representing the road segment, said data being different from the list of points included in the received event location information; and

an identifying unit that performs matching of said points with said data to identify said road segment on the second digital map using coordinates information of the points and the attribute information included in the event location information.

Claim 17 (New): The transmission apparatus according to claim 12, wherein said attribute information includes at least one information item chosen from a group consisting of road type code, road number, toll highway code, number of traffic lanes, regulation information, road width, number of connecting links to a crossing node, and connection angle of each connecting link to a crossing node.

Claim 18 (New): The receiving apparatus according to claim 13, wherein said attribute information includes at least one information item chosen from a group consisting of road type code, road number, toll highway code, number of traffic lanes, regulation information, road width, number of connecting links to a crossing node, and connection angle of each connecting link to a crossing node.

Claim 19 (New): The system according to claim 16, wherein said attribute information includes at least one information item chosen from a group consisting of road type code, road number, toll highway code, number of traffic lanes, regulation information, road width, number of connecting links to a crossing node, and connection angle of each connecting link to a crossing node.

Claim 20 (New): A transmission apparatus adapted for operating as the transmission device of the system according to claim 16.

Claim 21: (New): A receiving apparatus adapted for operating as the receiving device of the system according to claim 16.